

EPC 30-Day Clock Memo

TO: All Faculty
FROM: Educational Policies Committee
SUBJECT: Notice of Curriculum Changes
DATE: February 22, 2024

The 30-day review period begins February 22, 2024 and ends March 23, 2024

This notice of Curriculum Changes is published as required by the EPC Manual, which is located in the Faculty Handbook. The following paragraph may be found in Section III, Part VI, Section 3, "Procedures Governing Revision of Curriculum and Degree Requirements":

F: Faculty members must submit objections to proposals in writing to the Chair of EPC via facgov@plu.edu within 30 days from the date listed on the 30-day Notice of Curriculum Changes distributed by the EPC. Objections received within this 30-day period will suspend approval, pending resolution of the objections. In the event a dispute cannot be resolved, the EPC will make its recommendation to the faculty for action at the next regular faculty meeting.

Complete copies of the proposals may be obtained from the Provost's Office or from Jessica Schwinck, Chair of the Educational Policies Committee for the 2023-24 academic year.

Curriculum Changes for Review – Summary

- **Hispanic & Latino Studies** – change course description, credit hours, add permanent course, change major requirement, revise curriculum
- **History** – add permanent GenEd course
- **Kinesiology** – change course description, credit hours, add permanent course, change major requirement, revise curriculum
- **Nursing** – catalog editorial change; change prefix

Curriculum Changes for Information Only – Summary

- **Computer Science** - new major*; change major requirement
- **Gender, Sexuality, & Race Studies** – add GenEd element to existing course
- **Study Away** – add GenEd element to existing course

Curriculum Changes for Review

Deletions are indicated by ~~blue strikethrough~~ | Additions are indicated in **blue bold**
For conciseness, courses and catalog language sections that are not being changed, are not listed.

Hispanic & Latino Studies

Fall 2024

Type 1 & 2 - change course description, credit hours, add permanent course, change major requirement, revise curriculum

Catalog

Hispanic & Latino Studies

The Hispanic and Latino Studies Program offers a major and minor in Hispanic Studies and a minor in Latino Studies.

The major and minor in Hispanic Studies combine the study of the Spanish language with courses in Latin American, Latino, and Iberian literatures, linguistics, and cultural studies. Primarily taught in Spanish, courses that count towards the major and minor include the study of advanced Spanish language and composition for heritage and second language learners, and engage topics that include, but are not limited to, social justice struggles present and past, migration, race, gender, sexuality, memory, trauma, and the politics of language.

The Latino Studies minor engages many of the same topics, but with a special focus on the experiences of Latino/a/x communities in the United States and its transnational and cultural borderlands. The minor includes a Spanish language requirement, but its core and elective courses are primarily taught in English. Courses marked with the HISP designation are taught in Spanish. Courses marked with the LTST designation are taught in English.

Major in Hispanic Studies

A minimum of 36 semester hours beyond HISP ~~402~~ 103, including:

Language and Composition Foundational Courses

*~~4-12~~ **4-20** semester hours, **depending on entry level.** ~~of Spanish language and critical writing for second language or heritage learners.~~*

Students with prior background in Spanish should consult the Language Placement Guide for a recommendation on the appropriate level to start their studies.

- HISP 201: Intermediate Spanish (4)
- HISP 202 ~~or 252~~: Intermediate Spanish/Spanish for Heritage Speakers (4)
- **HISP 252: Spanish for Heritage Speakers (4)**

- **HISP 300: Spanish Conversation (4)**
- HISP 301 or 351: Hispanic Voices for Social Change/Hispanic Voices for Heritage Speakers (4)
- **HISP 331: Intensive Spanish Language and Culture (Study Away) (4)**

~~Introduction to Literary and Cultural Studies~~

~~12 semester hours~~

- ~~HISP 321: Iberian Cultural Studies (4)~~
- ~~HISP 322: Latin American Cultural Studies (4)~~
- ~~HISP 325: Introduction to Hispanic Literary Studies (4)~~

Advanced Exploring Literary, Linguistic, and Cultural Studies

~~8-16~~ **12-28** semester hours, selected from the following:

Latino Studies courses are taught in English. No more than one course taught in English may count towards the major.

- **HISP 321: Iberian Cultural Studies (4)**
- **HISP 322: Latin American Cultural Studies (4)**
- **HISP 325: Introduction to Hispanic Literary Studies (4)**
- LTST 341: Latino/a/x Experiences in the U.S. (4)
- LTST 342: U.S. Latino/a/x Literary and Cultural Studies (4)
- HISP 401: Introduction to Hispanic Linguistics (4) ~~OR HISP 403: Advanced Spanish (Study Away) (4)~~
- **HISP 403: Advanced Spanish (Study Away) (4)**
- HISP 423: Special Topics in Iberian Literatures & Cultures (4)
- HISP 433: Special Topics in Latin American Literatures & Cultures (4)

Capstone Project Culminating Experience

~~4~~ semester hours

- HISP 499: **Culminating Experience** ~~Capstone: Senior Project~~ (4)

In consultation with their advisor, students may select from the following culminating experiences:

- 1) Research project on a HISP & LTST topic of their choice *
- 2) Experiential learning or internship in the Latinx community
- 3) A combined project with a complementary major with an approved HISP & LTST focus

****Students choosing option 1 should complete at least one advanced HISP & LTST seminar prior to the culminating experience (HISP 401, 423, 433, or LTST 342).***

~~Latino Studies courses are taught in English. No more than one course taught in English may count towards the major.~~

Majors are strongly encouraged to pursue at least one semester of study in a Spanish-speaking country on a program approved by the Hispanic Studies faculty. ~~Majors may not normally fulfill the requirements for the major through the election of 300-level courses during the senior year.~~

Continuation Policy

To remain in the Hispanic Studies major, students must maintain a 2.50 overall grade point average (GPA) and maintain a 2.50 GPA in all Hispanic and Latino Studies courses required for the major or the minor.

Minor in Hispanic Studies

20 semester hours beyond HISP ~~402-103~~, including:

Language and Composition Foundational Courses

~~4-12 4-20~~ semester hours, **depending on entry level.** ~~of Spanish language and critical writing for second language or heritage learners.~~

Students with prior background in Spanish should consult the Language Placement Guide for a recommendation on the appropriate level to start their studies.

- HISP 201: Intermediate Spanish (4)
- HISP 202 ~~or 252~~: Intermediate Spanish ~~/Spanish for Heritage Speakers (4)~~
- **HISP 252: Spanish for Heritage Speakers (4)**
- **HISP 300: Spanish Conversation (4)**
- HISP 301 or 351: Hispanic Voices for Social Change/Hispanic Voices for Heritage Speakers (4)
- **HISP 331: Intensive Language and Culture (Study Away) (4)**

~~Introduction to Literary and Cultural Studies~~

~~4 semester hours~~

- ~~HISP 325: Introduction to Hispanic Literary Studies (4)~~

Upper Division Exploring Literary, Linguistic, and Cultural Studies

~~4-12 0-16~~ semester hours, selected from the following:

Latino Studies courses are taught in English. No more than one course taught in English may count towards the minor.

- HISP 321: Iberian Cultural Studies (4)
- HISP 322: Latin American Cultural Studies (4)
- **HISP 325: Introduction to Hispanic Literary Studies (4)**
- LTST 341: Latino/a/x Experiences in the U.S. (4)
- LTST 342: U.S. Latino/a/x Literary and Cultural Studies (4)
- HISP 401: Introduction to Hispanic Linguistics (4)
- HISP 403: Advanced Spanish (Study Away) (4)

- HISP 423: Special Topics in Iberian Literatures & Cultural (4)
- HISP 433: Special Topics in Latin American Literatures & Cultures (4)

~~Latino Studies courses are taught in English. No more than one course taught in English may count towards the minor.~~

Minor in Latino Studies

20 semester hours, including:

Language

4 semester hours of Spanish language for second language or heritage learners. Students with prior background in Spanish should consult the Language Placement Guide for a recommendation on which course to enroll in.

- HISP ~~401, 402~~, 103, 201, 202, 252, **300**, 301 or 351, **331** (4)

Latino/a/x Literary, Cultural, and Political Studies

*16 semester hours, **4 of which may be substituted with one of the “Alternative Areas of Inquiry” listed below:***

- LTST 241: Introduction to Latino Studies (4)
- LTST 341: Latino/a/x Experiences in the U.S. (4)
- LTST 342: U.S. Latino/a/x Literary and Cultural Studies (4)
- POLS 265: Latino Politics (4)

Alternative Areas of Inquiry

Students who would like to pursue alternative areas of inquiry related to Latino Studies may substitute a core course with the approval of the Director of Hispanic and Latino Studies. Alternative options may include:

- An additional semester of Spanish language study or an upper division Hispanic Studies course focused on Latin America;
- An internship or experiential learning placement with an organization that serves the Latinx community;
- Comparative study of the experiences of other minoritized communities in the U.S. fulfilled through completion of GSRS 201, NAIS 230, NAIS 250, or any course from the approved list of electives for the Minor in Critical Race Studies

Courses

~~HISP 101: Elementary Spanish – GE~~

~~Development of basic communicative proficiency in listening, speaking, reading and writing in Spanish, through learning aspects of the cultures in which it is spoken.~~

~~Students with prior background in Spanish should consult with the Language Placement Guide before enrolling. (4)~~

~~HISP 102 : Elementary Spanish - GE~~

~~A continuation of HISP 101 or equivalent. Development of basic communicative proficiency in listening, speaking, reading and writing in Spanish, through learning aspects of the cultures in which it is spoken. Students with prior background in Spanish should consult with the Language Placement Guide before enrolling. (4)~~

HISP 103 : Accelerated Elementary Spanish - GE

~~An overview of HISP 101 and 102 ideal for beginners or students seeking comprehensive review of introductory level Spanish.~~ Development of basic communicative proficiency in listening, speaking, reading, and writing in Spanish, through learning aspects of the culture in which it is spoken. **The course is the equivalent of HISP 102. Students cannot take both HISP 102 and HISP 103 for credit.** Students with prior background in Spanish should consult with the Language Placement Guide before enrolling. (4)

HISP 201 : Intermediate Spanish - VW, GE

A continuation of Elementary Spanish; reading selections which reflect Iberian, Latin American, and US Latinx cultural heritage as well as contemporary materials. Students with prior background in Spanish should consult with the Language Placement Guide before enrolling. (4)

HISP 202 : Intermediate Spanish - VW, GE

A continuation of HISP 201 or equivalent; reading selections which reflect Iberian, Latin American, and US Latinx cultural heritage as well as contemporary materials. ~~Students cannot take both HISP 202 and 252 for credit.~~ Students with prior background in Spanish should consult with the Language Placement Guide before enrolling. (4)

HISP 231 : Intensive Spanish (Study Away) - VW, GE

An intensive Spanish course offered in a Spanish speaking country and geared to students at the intermediate language level (equivalent to HISP 201, 202, or 252). Course typically includes an intensive language class, a home stay, a service project, excursions, and guest lectures on a variety of topics related to the history and culture of the host country. Prerequisite: HISP ~~402~~ **103** or the equivalent. (4)

HISP 252 : Spanish for Heritage Speakers - VW, GE

A course designed for students who have been exposed to the Spanish language at home. The course affirms and builds upon the student's Spanish language abilities through conversation about literary and cultural texts, vocabulary expansion, composition and writing activities, and explicit study of grammar structures. ~~Students cannot take both HISP 202 and 252 for credit.~~ Heritage language students should consult the Language Placement Guide before enrolling. (4)

HISP 287 : Special Topics in Hispanic Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

HISP 288 : Special Topics in Hispanic Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

HISP 289 : Special Topics in Hispanic Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

HISP 291 : DS: Directed Study

To provide individual undergraduate students with introductory study not available in the regular curriculum. The title will be listed on the student term-based record as DS: followed by the specific title designated by the student. (1 to 4)

HISP 300: Spanish Conversation - IT, GE

In this course, you will build upon and further develop your listening and speaking skills through the interpretation of various texts from the Spanish-speaking world (may include film, literary works, visual and performing arts, music, digital media, etc.). In each unit, you will expand your vocabulary and knowledge about social, historical, cultural, and political issues through conversational activities. Prerequisite: HISP 202, 252, or the equivalent, or permission by instructor. (4)

HISP 301 : Hispanic Voices for Social Change - VW, GE

HISP 301 is a content-based intensive reading and writing course that offers an examination of diverse texts from different times and places in Spanish speaking countries, to focus on how people establish different yet coherent strategies of resistance and adaptation which in turn respond to experiences of social injustice, inequality, geographical displacement and human rights violations in their respective communities. Prerequisite: HISP 202, **252, or the equivalent, or permission by instructor. (4)**

HISP 321 : Iberian Cultural Studies - VW, GE

Interdisciplinary exploration of the construction of “Spanish” national identity through literary and cultural productions as it relates to religion, culture, race, class and gender. Prerequisite: **HISP 252, HISP 300, HISP 301 or 351 , or permission by instructor. (4)**

HISP 322 : Latin American Cultural Studies - VW, GE

Interdisciplinary exploration of the construction of “Latin America” throughout history as it relates to conditions of coloniality and negotiations of culture, race, religion, class, and gender. Prerequisite: **HISP 252, HISP 300, HISP 301 or 351, or permission by instructor.** (4)

HISP 325 : Introduction to Hispanic Literary Studies - IT, GE

Acquaints students with techniques of literary analysis, as applied to examples of narrative, poetry, drama, and essay in the Spanish and Latin American literary traditions. Reading, writing, and speaking-intensive. Ongoing review of advanced grammar. Prerequisite: **HISP 300, HISP 301 or 351, or permission by instructor.** (4)

HISP 331 : Intensive Spanish Language and Culture (Study Away) - VW, GE

An intensive Spanish course offered in a Spanish speaking country and geared to students at the 300-level ~~(equivalent to 301 or 351)~~. Course typically includes an intensive language class, a home stay, a service project, excursions, and guest lectures on a variety of topics related to the history and culture of the host country. Prerequisite: HISP 202, 252, or the equivalent, **or permission by instructor.** (4)

HISP 351 : Hispanic Voices for Social Change for Heritage Speakers - VW, GE

A course designed for students who have been exposed to the Spanish language at home. HISP 351 is a content-based intensive reading and writing course that offers an examination of diverse texts from different times and places in Spanish speaking countries, to focus on how people establish different yet coherent strategies of resistance and adaptation, which in turn respond to experiences of social injustice, inequality, geographical displacement and human rights violations in their respective communities. Students cannot take both HISP 301 and 351 for credit. Prerequisite: HISP 252 recommended, but not required. Heritage language students should consult the Language Placement Guide before enrolling. (4)

HISP 387 : Special Topics in Hispanic Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

HISP 388 : Special Topics in Hispanic Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

HISP 389 : Special Topics in Hispanic Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

HISP 401 : Introduction to Hispanic Linguistics

HISP 401 is an advanced-level content-based course with an in-depth analysis of Spanish syntax, phonology, and morphology along with the evolution of the Spanish language, including the study of dialects and the history of indigenous languages. Prerequisite: **HISP 300, 301 or 351, or permission by instructor.** (4)

HISP 403 : Advanced Spanish Language and Culture (Study Away)

An intensive language and culture course offered in a Spanish speaking country and geared to students at the 400-level. Course typically includes an intensive language course, a home stay, a service project, excursions, and guest lectures on a variety of topics related to the history and culture of the host country. Repeatable for general elective credit, but not for additional HISP major or minor credit. Prerequisite: **HISP 300, 301 or 351, or permission by instructor.** (4)

HISP 423 : Special Topics in Iberian Literature & Cultures - IT, GE

An opportunity to pursue an in-depth study of a specific aspect or topic in Iberian literary and cultural productions. Topics may include: Migration; Afro-Iberian Writers; Memory and Trauma; Iberian Cities and Andalusian Spectres. May be repeated for credit with different topic. Prerequisite: ~~HISP 321 or 325.~~ **HISP 321, 322, or 325, or permission by instructor.** (4)

HISP 433 : Special Topics in Latin American Literatures & Cultures - IT, GE

An opportunity to pursue an in-depth study of a specific topic, genre, or time period in Latin American literary and cultural productions. Topics may include: Memory, trauma, and testimonio in the Southern Cone; ~~Mexican indigenismo and indigenist discourses;~~ Caribbean and Central American migration and diaspora studies. May be repeated for credit with different topic. Prerequisite: ~~HISP 322 or 325.~~ **HISP 321, 322, or 325, or permission by instructor.** (4)

HISP 487 : Special Topics in Hispanic Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

HISP 488 : Special Topics in Hispanic Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

HISP 489 : Special Topics in Hispanic Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

HISP 491 : Independent Study

To provide individual undergraduate students with advanced study not available in the regular curriculum. The title will be listed on the student term-based record as IS: followed by the specific title designated by the student. (1 to 4)

HISP 495 : Internship

To permit undergraduate students to relate theory and practice in a work situation. The title will be listed on the student term-based record as Intern: followed by the specific title designated by the instructor in consultation with the student. (1 to 4)

HISP 499 : ~~Capstone: Senior Project~~ Culminating Experience - SR

An opportunity for students to integrate learning objectives and demonstrate competence in Hispanic and Latino Studies through a research project, experiential learning placement, or combined project with a complementary major. With the guidance of a faculty mentor, students will work individually and as a cohort to produce written and oral products in Spanish as a result of the semester's work. (4)

LTST 241 : Introduction to Latino Studies - IT, GE

This course introduces students to the range of issues and analytical approaches that form the foundation of Latino studies. By tracing the history of the "Latino/a/x" concept in relation to key elements of sociocultural life, such as time, space, migration, identity, class, race, gender, community, power, language, nation, and rights, students will develop understandings of the particular ways in which Latino studies takes shape as a literary as well as intellectual, artistic and political enterprise. (4)

LTST 341 : Latino/a/x Experiences in the U.S. - IT, GE

Exploration of the histories, experiences, and contributions of Latino/a/x communities in the United States as they appear in Latino literary and cultural productions. Course content is enriched through related community engagement experience. (4)

LTST 342 : U.S. Latino/a/x Literary and Cultural Studies - IT, GE

Course introduces students to critical concepts in the field of Latino/a/x literature. Through an examination of narrative texts from different times and places, we will focus on how U.S. Latino/a/x writers reinscribe native roots, cultures, and languages in order to respond to the uncertainties of geographical displacement. English majors may count this course with prior approval from the chair of the English department. (4)

HISTORY

Fall 2024

Type 2 – add permanent GenEd course

Course

HIST 308 : Modern Imperialism - GE

This course focuses on three significant movements in global history in the 19th, 20th, and 21st centuries: industrialization, imperialism, and independence. These movements have not only influenced the areas in which they occurred, but have global implications as well. For example, industrialization has reshaped the world in the most dramatic way since the agricultural revolution (according to many Historians). Imperialism and the creation of empires affected, and continues to affect, both the colonized and colonizers. Independence/de-colonization has also determined many of the current relationships between the formerly colonized and the former colonizers. It also demonstrates the significance of resistance to the significant forces of imperialism. (4)

KINESIOLOGY

Fall 2024

Type 2 - change course description, credit hours, add permanent course, change major requirement, revise curriculum

NOTE: This proposal was found to have multiple small errors on the release of the previous clock. These were corrected and this is the final version for review by the faculty.

Catalog

Residency Requirements

- At least 32 credits of all majors must be taken in residency at PLU, and at least 16 of those must be taken from within the Department of Kinesiology.
- At least eight semester hours for all minors must be taken in residency at PLU and within the Department of Kinesiology.
- At least eight semester hours applied toward a kinesiology minor must be earned independently from the kinesiology major requirements.

Bachelor of Arts in Kinesiology Degree (B.A.K.)

Major in Kinesiology

- **Health and Fitness Education Concentration**

Students are required to complete BIOL 205 and BIOL 206 as prerequisites to KINS 380, KINS 490 and KINS 495

~~66~~ **56** semester hours

- **Kinesiology Core**

- KINS ~~277~~ **201: Foundations of Introduction to** Kinesiology I (2 ~~4~~)
- **KINS 202: Introduction to Kinesiology II (4)**
- KINS 495: Internship (4)
- ~~BIOL 205: Human Anatomy and Physiology I (4)~~
- ~~BIOL 206: Human Anatomy and Physiology II (4)~~
- KINS 279: Teaching Physical Activity (2)
- KINS ~~301~~ **280: Fitness and Recreation, Programming and Delivery (4)**
- KINS ~~302~~ **284: Sport Programming and Delivery (4)**
- KINS 320: Nutrition, Health and Performance(4)
- KINS 322: Physical Education in the Elementary School (2)
- KINS 326: Adaptive Physical Activity (4)
- KINS 360: Professional Practicum (4)
- KINS 366: Health Psychology (4)
 - KINS 380: Exercise Physiology (4)
 - KINS 386: Social Psychology of Sport and Physical Activity (4)
 - KINS 395: **Health Programming and Delivery Comprehensive School Health** (4)
 - KINS 478: Motor Learning and Human Performance (4)
 - KINS 486: Applied Biomechanics and Kinesiology (4)
 - ~~KINS 499: Capstone: Senior Seminar (4)~~

- **Health and Fitness Education Concentration (with K-12 Certification)**

Students are required to complete BIOL 205 and BIOL 206 as prerequisites to KINS 380, KINS 490 and KINS 495

~~86~~ **84** semester hours

- ~~BIOL 205: Human Anatomy and Physiology I (4)~~
- ~~BIOL 206: Human Anatomy and Physiology II (4)~~
- **Kinesiology Core**
 - KINS ~~277~~ **201: Foundations of Introduction to** Kinesiology I (2 ~~4~~)
 - **KINS 202: Introduction to Kinesiology II (4)**
 - EDUC 468: Student Teaching – Secondary (10)

- KINS 279: Teaching Physical Activity (2)
 - KINS ~~301 280~~: Fitness and Recreation, Programming and Delivery (4)
 - KINS ~~302 284~~: Sport Programming and Delivery (4)
 - KINS 320: Nutrition, Health and Performance (4)
 - KINS 322: Physical Education in the Elementary School (2)
 - KINS 326: Adaptive Physical Activity (4)
 - KINS 360: Professional Practicum (4)
 - KINS 366: Health Psychology (4)
 - KINS 380: Exercise Physiology (4)
 - KINS 386: Social Psychology of Sport and Physical Activity (4)
 - KINS 395: **Health Programming and Delivery Comprehensive School Health** (4)
 - KINS 478: Motor Learning and Human Performance (4)
 - KINS 486: Applied Biomechanics and Kinesiology (4)
 - KINS 490: Curriculum, Assessment, and Instruction (4)
 - EDUC 320: Issues in Child Abuse and Neglect (1)
 - EDUC 391: Foundations of Learning (3)
 - EDUC 450: Inquiry into Learning and Teaching: Reflective Practice Seminar (2)
 - PSYC 101: Introduction to Psychology (4)
 - FYEP 101: Writing Seminar (4)
 - Valid First Aid Card
- **Health and Fitness Promotion Concentration**

Students are required to complete BIOL 205 and BIOL 206 as prerequisites to KINS 380, KINS 490 and KINS 495

~~70~~ **52** semester hours

- **Kinesiology Core**
 - KINS ~~277~~ **201: Foundations of Introduction to Kinesiology I** (2 4)
 - **KINS 202: Introduction to Kinesiology II** (4)
 - KINS 495: Internship (4)
 - ~~BIOL 205: Human Anatomy and Physiology I~~ (4)
 - ~~BIOL 206: Human Anatomy and Physiology II~~ (4)
- **8 Semester Hours in Health and Well-being Courses:**
 - KINS 315: Body Image (4)
 - KINS 320: Nutrition, Health, and Performance (4)
 - KINS 324: Physical Activity and Lifespan (4)
 - KINS 384: Foundations of Health and Fitness Promotion (4)
 - **KINS 387: Special Topics in Kinesiology** (4)
 - KINS 395: **Health Programming and Delivery Comprehensive School Health** (4)

- **8 Semester Hours in Leadership and Application Courses:**
 - KINS 279: Teaching Physical Activity (2)
 - KINS ~~301~~ **280**: Fitness and Recreation, Programming and Delivery (4)
 - KINS ~~302~~ **284**: Sport Programming and Delivery (4)
 - KINS 326: Adaptive Physical Activity (4)
 - **KINS 334: Applied Training and Conditioning (4)**
 - **KINS 314: Team Building for High Performance Teams (4)**
 - **KINS 388: Special Topics in Kinesiology (4)**
 - **KINS 411: Coaching Effectiveness (4)**
 - **Students may take up to two additional FTWL courses (2)**
- **8 Semester Hours in Biophysical Courses:**
 - KINS 380: Exercise Physiology (4)
 - KINS 383: Exercise Testing and Prescription (4)
 - KINS 478: Motor Learning and Human Performance (4)
 - **KINS 483: Clinical Management for Special Populations (4)**
 - KINS 486: Applied Biomechanics and Kinesiology (4)
 - **KINS 487: Special Topics in Kinesiology (4)**
- **8 Semester Hours in Psychosocial Courses:**
 - KINS 366: Health Psychology (4)
 - KINS 386: Social Psychology of Sport and Physical Activity (4)
 - **KINS 390: Applied Exercise and Sports Psychology (4)**
 - **KINS 488: Special Topics in Kinesiology (4)**
 - ~~KINS 499: Capstone: Senior Seminar (4)~~
- Elective: ~~4~~ **8** semester hours in KINS 300-400 level courses

Bachelor of Science in Kinesiology Degree (B.S.K.)

Major in Kinesiology

56 or 78 semester hours

- ~~Exercise Science Concentration~~
~~58 semester hours~~
- **Kinesiology Core**
 - KINS ~~277~~ **201: Foundations of Introduction to** Kinesiology I (2 4)
 - **KINS 202: Introduction to Kinesiology II (4)**
 - KINS 495: Internship (4)
- **B.S.K. Core**
 - BIOL 205: Human Anatomy and Physiology I (4)
 - BIOL 206: Human Anatomy and Physiology II (4)

- ~~CHEM 105: Chemistry of Life (4)~~
- STAT 231: Introductory Statistics (4)
OR STAT 232: Introductory Statistics for Psychology Majors (4)
- KINS 380: Exercise Physiology (4)
- KINS 478: Motor Learning and Human Performance (4)
- **AND Select one Concentration in either Exercise Science or Pre-Physical Therapy**

Exercise Science Concentration

- ~~KINS 324: Physical Activity and Lifespan (4)~~
~~or KINS 386: Social Psychology of Sport and Physical Activity (4)~~
 - **Two courses from:**
 - KINS 383: Exercise Testing and Prescription (4)
 - KINS 483: Clinical Management for Special Populations (4)
 - KINS 486: Applied Biomechanics and Kinesiology (4)
 - **KINS 487: Special Topics in Kinesiology (4)**
 - **Two courses from:**
 - **KINS 366: Health Psychology (4)**
 - **KINS 386: Social Psychology of Sport and Physical Activity (4)**
 - **KINS 390: Applied Exercise and Sports Psychology (4)**
 - **KINS 488: Special Topics in Kinesiology (4)**
- ~~KINS 499: Capstone: Senior Seminar (4)~~
- Elective: 8 semester hours in KINS 300-400 level courses

Pre-Physical Therapy Concentration

- BIOL 225: Molecules, Cells, and Organisms (4)
- BIOL 226: Genes, Evolution, Diversity, and Ecology (4)
- CHEM 115: General Chemistry I (4)
- CHEM 116: General Chemistry II (4)
- PHYS 125: College Physics I (4) **and** PHYS 135: College Physics Lab I (1)
- PHYS 126: College Physics II (4) **and** PHYS 136 College Physics Lab II (1)
- PSYC 101: Introduction to Psychology (4)
- PSYC 320: Development Across the Lifespan (4)
OR PSYC 315: ~~Clinical Abnormal~~ Psychology **1: Mental Health and Psychological Disorders (4)**
- **One course from:**
 - **KINS 383: Exercise Testing and Prescription (4)**
 - **KINS 483: Clinical Management for Special Populations (4)**
 - KINS 486: Applied Biomechanics and Kinesiology (4)
 - **KINS 487: Special Topics in Kinesiology (4)**

- One course from:
 - KINS 366: Health Psychology (4)
 - KINS 386: Social Psychology of Sport and Physical Activity (4)
 - KINS 390: Applied Exercise and Sports Psychology (4)
 - KINS 488: Special Topics in Kinesiology (4)
- Elective: 4 semester hours from KINS 300-400 level courses

• ~~Pre-Physical Therapy Concentration~~

~~72 or 73 semester hours~~

- ~~KINS 277: Foundations of Kinesiology I (2)~~
- ~~BIOL 205: Human Anatomy and Physiology I (4)~~
- ~~BIOL 206: Human Anatomy and Physiology II (4)~~
- ~~Two courses from:~~
 - ~~CHEM 105: Chemistry of Life (4)~~
 - ~~CHEM 331: Organic Chemistry I (4)~~
 - ~~CHEM 333: Organic Chemistry I Lab (1)~~
- ~~STAT 231: Introductory Statistics (4)~~
- ~~OR STAT 232: Introductory Statistics for Psychology Majors (4)~~
- ~~KINS 380: Exercise Physiology (4)~~
- ~~KINS 478: Motor Learning and Human Performance (4)~~
- ~~KINS 495: Internship (4)~~
- ~~KINS 499: Capstone: Senior Seminar (4)~~

Courses

Kinesiology (KINS) - Undergraduate Courses

KINS ~~277~~ 201 : ~~Foundations of Introduction to~~ Kinesiology I

An introduction to the historical, biological, sociological, psychological, and mechanical concepts underlying human movement and the exploration of kinesiology as a field of study. **Ethical decision-making, liability, and risk management topics, specific to the field of Kinesiology, will be examined. Opportunities to develop foundational skills in communication and leadership will be provided.** Should be the initial professional course taken in the Department of Kinesiology. ~~(2)~~ **(4)**

KINS 202: Introduction to Kinesiology II

An introductory course on diversity, equity, access, and inclusion issues in the field of Kinesiology. Topics will include: historical inequities and barriers to access in physical activity settings, the meaning and experiences of diversity within the field of Kinesiology, media and source literacy. Designed to promote diverse, inclusive, evidence-based perspectives related to core

issues in the field of Kinesiology and to develop important, foundational inclusive leadership skills. (4)

KINS 279 : Teaching Physical Activity

Generic teaching and management strategies, design of instructional materials and techniques for implementing them, and strategies for working with diverse learners in physical activity settings. This course is a prerequisite for all teaching methods courses ~~and should be taken prior to or in conjunction with the education hub.~~ (2)

~~**KINS 280 : Fitness and Recreation Programming and Delivery**~~

~~Focused on the planning, organization, delivery and evaluation of a variety of fitness and recreation activities in school and community settings. Topics and skills addressed include aerobic dance, step aerobics, drumming and creative rhythms, circuit training, core training, and selected recreational activities. Course content aligns to ACSM Group Exercise Instructor certification standards. (4)~~

~~**KINS 281 : Sport Programming and Delivery**~~

~~Addresses sport skill development, instructional skill development, and programming considerations in a variety of individual and team sport activities. Topics and skills addressed include net games (badminton, tennis, pickleball and/or racquetball), invasion games (soccer, team handball, lacrosse, and/or others), and target/fielding activities (softball, baseball, archery and/or bowling). (4)~~

KINS 287 : Special Topics in Kinesiology

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

KINS 288 : Special Topics in Kinesiology

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

KINS 289 : Special Topics in Kinesiology

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

KINS 291 : Directed Study

To provide individual undergraduate students with introductory study not available in the regular curriculum. The title will be listed on the student term-based record as DS: followed by the specific title designated by the student. (1 to 4)

KINS 301 : Fitness and Recreation Programming and Delivery

Focused on the planning, organization, delivery and evaluation of a variety of fitness and recreation activities in school and community settings. Topics and skills addressed include aerobic dance, step aerobics, drumming and creative rhythms, circuit training, core training, and selected recreational activities. Course content aligns to ACSM Group Exercise Instructor certification standards. (4)

KINS 302 : Sport Programming and Delivery

Addresses sport skill development, instructional skill development, and programming considerations in a variety of individual, dual, and team sport activities. Topics and skills addressed include net games such as badminton, tennis, pickleball and/or Spikeball invasion games such as lacrosse, ultimate frisbee, flag rugby, and/or tchoukball; and target/fielding activities such as softball, Dotball 360, golf, and/or archery . (4)

KINS 314 : Team Building for High Performance Teams

Activities designed to facilitate the development of team camaraderie and effectiveness. Creative, fun, challenging, and applied team building activities, combined with traditional training tools to help create learning experiences for students to actively enhance team cohesion and group productivity. (4)

KINS 315 : Body Image - GE

Topics include: the connection between women and food, cultural definitions of beauty, eating disorders, nutrition, and biosocial factors affecting weight. (4)

KINS 320 : Nutrition, Health and Performance

An examination of the role of dietary choices in the maintenance of health, the prevention of disease and the optimizing of physical performance. Topics covered include: consumer nutrition skills, basic nutrients and nutritional science, energy balance, sport and performance nutrition including the use of supplements and ergogenic aids, lifespan nutrition, global nutrition and food safety. (4)

KINS 322 : Physical Education in the Elementary School

Organization and administration of a developmental program for grades K-6; sequential and progressive programming; large repertoire of activities. Observation and/or practicum in public schools is required. (2)

KINS 324 : Physical Activity and Lifespan

The emphasis in this course will be on the role that physical activity plays in successful aging. An understanding of the influence of social learning on physical activity behavior through the lifespan and effective strategies for health promotion and activity programming with adult populations will be addressed. (4)

KINS 326 : Adapted Physical Activity

Emphasizes the theory and practice of adaptation in teaching strategies, curriculum, and service delivery for all persons with psychomotor problems, not just those labeled "disabled." (4)

KINS 334 : Applied Training and Conditioning

This course presents physiological and kinesiological applications to physical training and addresses fundamental training principles as they relate to physical fitness in the areas of cardiovascular fitness, muscular strength and endurance, flexibility and body composition. Focus is on training for safe and effective physical performance for both genders of all ages and activity interests. (-2 4)

KINS 360 : Professional Practicum

Students work under the supervision of a coach, teacher, recreation supervisor, or health care provider. Prerequisite: departmental approval. Can be repeated up to four semester hours. (1 or 2)

KINS 361 : Coaching Practicum

Students work under the supervision of a coach. Prerequisite: departmental approval. (1 or 2)

KINS 366 : Health Psychology

This course examines how human physiology and psychology interact and influence personal health choices and behavior change. Topics surveyed include behavior change models; nicotine, alcohol and drug use and abuse; stress and stress management; psychological factors in the prevention, development and treatment of chronic disease; death and dying. (4)

KINS 380 : Exercise Physiology

Scientific basis for training and physiological effect of exercise on the human body. Lab is required. **Prerequisites: BIOL 205, 206 (or consent of the instructor)** (4)

KINS 383 : Exercise Testing and Prescription

Provides students involved in the promotion of physical activity with the basic knowledge necessary to safely conduct exercise, health and fitness assessments in a variety of community settings. Topics will include: history of assessment and its role in physical activity promotion; purpose and methods for pre-evaluation and screening; assessment and evaluation techniques; prescriptive program development for health and fitness; and bio-psycho-social implications of assessment and evaluation. ~~Prerequisite: KINS 380.~~ (4)

KINS 384 : Foundations of Health and Fitness Promotion

Provides students involved in the promotion of physical activity with the basic knowledge necessary to understand how health and fitness are managed in a variety of community settings. Topics will include: historical and philosophical basis of community-based health and fitness management; organizational assessment

and evaluation issues; strategies for behavioral change; strategies for program development, implementation and marketing; specific examples of different community-based health and fitness management programs. (4)

KINS 386 : Social Psychology of Sport and Physical Activity

Questions of how social psychological variables influence motor behavior and how physical activity affects the psychological makeup of an individual will be explored. (4)

KINS 387 : Special Topics in Kinesiology

~~Provides the opportunity for the exploration of current and relevant issues in the areas of physical education and exercise science. (1 to 4)~~

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

KINS 388 : Special Topics in Kinesiology

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

KINS 389 : Special Topics in Kinesiology

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

KINS 390 : Applied Exercise and Sports Psychology

A practical, individually-oriented course designed to teach athletes, trainers, coaches, and teachers a comprehensive variety of skills and techniques aimed at enhancing sport performance. Psychological topics include: managing anxiety, imagery, goal setting, self-confidence, attention control, injury interventions, self-talk strategies, and team building. (4)

KINS 395 : ~~Health Programming and Delivery Comprehensive School Health~~

This theory to practice course focuses on understanding and applying developmentally appropriate and scientifically accurate health education in both the K-12 and community settings. Health topics covered may include community and public health, environmental health, nutrition, consumer health, intentional and unintentional injury prevention, substance use, mental and emotional wellbeing, relationships and social health, violence and conflict, and comprehensive sexuality education. The course addresses program planning, implementation and assessment based on the needs of the learner.

~~This course explores the integrated nature of comprehensive school health programs. Students will use their health knowledge and resources to effectively communicate essential health content with an emphasis placed on environmental health, intentional and unintentional injury prevention, consumer health and sexuality education. The course addresses program planning, implementation and evaluation based on the needs of the learner. Prerequisites: KINS 320, 366. (4)~~

KINS 411 : Coaching Effectiveness

Presents foundational knowledge essential for coaching effectiveness and success in any sport at a youth, club, or school level. This course integrates sport science research with emphasis on practical applications. Organization of this course will be based on topics such as: coaching philosophy and ethics, communication and motivation, principles of teaching sport skills and tactics, evaluation, and team administration, organization, and management including liability prevention. The course is designed to meet or exceed NCACE, NASPE, PCA, and ASEP standards. (4)

KINS 478 : Motor Learning and Human Performance

Provides basic theories, research, and practical implications for motor learning, motor control, and variables affecting skill acquisition. (4)

KINS 483 : Clinical Management for Special Populations

Examination of pathophysiology and the use of exercise to manage chronic diseases and conditions including cardiovascular disease, pulmonary disease, diabetes, obesity, and other chronic illnesses. Selection and implementation of tests for health related fitness levels in a variety of populations, and the development of exercise prescriptions for patients with known disease. ~~Prerequisite: KINS 383.~~ (4)

KINS 486 : Applied Biomechanics and Kinesiology

Opportunity to increase knowledge and understanding about the human body and how the basic laws of mechanics are integrated in efficient motor performance. Prerequisite: BIOL 205 (4)

KINS 487 : Special Topics in Kinesiology

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

KINS 488 : Special Topics in Kinesiology

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

KINS 489 : Special Topics in Kinesiology

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

KINS 490 : Curriculum, Assessment and Instruction

An integrated and instructionally aligned approach to curriculum design, assessment, development and implementing instructional strategies consistent with Washington Essential Academic Learning Requirements. Intended as the final course prior to a culminating internship, a practicum in the school setting is required in conjunction with this four-semester hour course. Prerequisites: **BIOL 205, 206; KINS 279, 301, 302, 322 (or consent of the instructor)**. (4)

KINS 491 : Independent Study

To provide individual undergraduate students with advanced study not available in the regular curriculum. The title will be listed on the student term-based record as IS: followed by the specific title designated by the student. Prerequisite: consent of the dean. (1 to 4)

KINS 495 : Internship - SR

Pre-professional experiences closely related to student's career and academic interests. Prerequisites: declaration of major, **senior status** ~~junior status~~, **KINS 201, KINS 202, BIOL 205, BIOL 206. eight ten-additional** hours in the major, and department permission **(or consent of the instructor)**. **(4 2-to-8)**.

~~KINS 499 : Capstone: Senior Seminar - SR~~

~~To enable senior students in an academic unit to share their work and receive group criticism. The title will be listed on the student term-based record as Capstone and may be followed by a specific title designated by the academic unit. Prerequisites: declaration of major, junior status, ten hours in the major, and department permission. (2 or 4)~~

NURSING

Fall 2024

Type 1 & 2 – catalog editorial change; change prefix

Courses

GNURS 640 : ENP Procedures Provides the Emergency Nurse Practitioner student with a range of diagnostic and interventional skills used in urgent care and emergency settings; including, the ability to understand, manage, and safely perform these procedures. (2) (2 credits lab/seminar)

GNURS 641 : ENP I: Lifespan Emergency Care This course covers the skills of assessment, interpretation of diagnostic studies, interventions, and treatments unique to the Emergency ~~Clinician Specialist (ECS)~~ **Nurse Practitioner (ENP)**. Students are taught the skills of assessment, interpretation of diagnostic studies, interventions, and treatments unique to the **ENPECS** at an advanced level, thereby enhancing clinical decision making for urgent/emergent illness and injury across the lifespan. (4) (2 seminar, 2 clinical - 120 hours)

GNURS 642 : ENP II: Trauma & Critical Illness Building upon prior clinical ENP experiences, this course teaches the student how to care for patients of the highest acuity levels. Topics of pre-hospital care, initiation of care to the trauma and critically ill patient, and transport of patients to a higher level of care. (4) (2 didactic, 2 lab simulation)

GNURS 643 : ENP III: Immersion & Seminar This is the final specialized clinical and seminar course facilitating application of previously learned concepts and skills, demonstration of ENP competency achievement, and assimilation into the ENP role. The culmination of the ENP education and transition into the ENP role is also covered. (4) (1 seminar, 3 clinical - 180 hours)

Curriculum Changes for Information Only

Deletions are indicated by ~~blue strikethrough~~ | Additions are indicated in **blue bold**
For conciseness, courses and catalog language sections that are not being changed, are not listed.

COMPUTER SCIENCE

Fall 2024

Type 3 – new major*; change major requirement

NOTE: The new Bachelor of Science in Data Science major proposal was approved by the Faculty Assembly on February 16, 2024. This new clock outlines word for word what was approved, to make adjustments to the catalog language that was published on the December 15, 2023, 30-day clock.

Catalog:

Our society increasingly values decisions that are supported by data. ~~PLU graduates who can enter their vocations and their communities with experience of collecting, managing and analyzing data will be empowered to lead and serve more thoughtfully, skillfully, and rationally.~~ **The Data Science Program at Pacific Lutheran University equips students with the knowledge, skills, and habits of mind (e.g., curiosity, skepticism, holding results with intellectual humility) needed to ethically and responsibly harness the power of data.**

Data science is ~~emerging as~~ a **dynamic** field that **has been reshaping the landscape of science, industry, and daily life. The ubiquity of data in our lives necessitates professionals who can convert this data into actionable insights, communicate those insights to a variety of audiences, and ethically anticipate and respond to potential consequences of the harnessed information—whether the consequences be intended or not. This field is reshaping professions, offering unprecedented opportunities for innovation, and demanding a higher standard of accountability and responsibility for the producer of data grounded insights.** ~~is revolutionizing science and industries alike. Work across nearly all domains is becoming more data driven, affecting both the jobs that are available and the skills that are required. As more data and ways of analyzing them become available, more aspects of the economy, society, and daily life will become dependent on data... Data science spans a broader array of activities that involve applying principles for data collection, storage, integration, analysis, inference, communication, and ethics. — National Academy of Sciences (NAS), 2018~~

Major in Data Science (64 credits)

PLU offers a Bachelor of Science degree in Data Science, through partnership between the Mathematics and Computer Sciences Departments, in collaboration with other disciplines across campus. This program helps students develop as responsible stewards and critical thinkers about data, analysis, and their impact on society, while also equipping students with tools to process, visualize, and interpret large datasets. The curriculum combines foundational knowledge, advanced techniques, and critical inquiry to prepare graduates for both immediate employment and further academic pursuits.

28-32 semester hours of mathematics/statistics, 24-28 semester hours of computer science/data science, plus 4-8 semester hours of supporting courses

- 20 semester hours of required mathematics/statistics courses: MATH 152, 331, MATH/STAT 242*, MATH/STAT 348, MATH/STAT 442**
- 12 semester hours of mathematics/statistics electives from: MATH 253, 318, 422, or MATH/STAT 342.
- 20 semester hours of required computer science/data science courses: CSCI 144, 270, 330, DATA 233, DATA 499A, DATA 499B
- 8 semester hours of electives from: CSCI 367, CSCI 371, CSCI 390
- 4 semester hours of supporting courses from a Domain-Specific Elective. Select at least one option from the list of Domain-Specific Electives that applies data science principles in a disciplinary context or provides deeper study of data science topics. (See details below.)

* MATH/STAT 145, STAT 231, STAT 232, or STAT 233 may replace MATH/STAT 242.

**ECON 344 may substitute MATH/STAT 442 if it is not also used as the domain-specific elective.

All courses counted toward the major must be completed with grades of C or higher.

A maximum of eight (8) credits at the 300+ level may be double-counted for other major requirements and a maximum of eight (8) credits may be double-counted for other minor requirements. Petitions to substitute courses may be submitted to the Data Science Director to address double-counting constraints. Students minoring in statistics may not use any of their “8 additional semester hours of statistics” toward the Data Science major.

Minor in Data Science (20 credits)

The Data Science Minor is ideal for students who would benefit from in-depth experiences managing, analyzing, and visualizing data. The minor is designed for students from virtually any major, although quantitative literacy at or exceeding the level of PLU MATH 140 (Precalculus) is required.

Minor in Data Science

20 semester hours

Data science minors must complete a minimum of 20 credit hours in the following areas:

- Computational and Data Science Foundations (8)
- Statistical Foundations (8)
- Domain-Specific Elective (4)

Students may complete requirements for the minor in any order that meets course prerequisites.

A maximum of eight (8) credits may be double-counted for other major and minor requirements, although students minoring in statistics may not use any of their “8 additional semester hours of statistics” toward the Data Science minor.

Students may transfer a maximum of 8 semester hours toward the Data Science minor, unless they have permission from the [chair director](#).

All courses counted toward the minor must be completed with grades of C or higher.

Computational and Data Science Foundations

8 semester hours

- DATA 133: Introduction to Data Science I or CSCI 144: Introduction to Computer Science (4)
- DATA 233: Introduction to Data Science II (4)

Statistical Foundations

8 semester hours

- Any of MATH/STAT 145, STAT 231, 232, 233, or MATH/STAT 242 (4)
- MATH/STAT 348: Statistical Computing and Consulting (4)

Domain-Specific Elective

4 semester hours

Select at least one **course option** from the list of electives below that applies data science principles in a disciplinary context or provides deeper study of data science topics. **Details about Domain-Specific Elective Options are given below.**

Domain-Specific Elective Options for the Data Science Major and Minor

~~The~~ Domain-Specific Elective courses must go beyond introductory topics and techniques to develop advanced statistical expertise for the respective field where at least one of the following are met:

1. Data are not easily collected (e.g., makes use of intricate study design; requires in-depth survey design), OR
2. Data are not easily managed (e.g., data are messy; data set is excessively large; data are not easily synthesized), OR
3. Data are not easily analyzed by selecting routine analyses from a series of menu items (e.g., arguments must be made for appropriate covariates), OR
4. Data are not easily presented (e.g., requires sophisticated visualization techniques)

Approved courses include***:

- BUSA 310: Information Systems and Database Management (4)
- BUSA 467: Marketing Research (4)
- ~~COMA 342: Applied Research (4)~~
- **COMA 461: Advertising, PR + Campaigns (4)**
- ~~CSCI 330: Artificial Intelligence (4)~~
- ~~CSCI 367: Databases and Web Programming (4)~~
- **Selected CSCI 387/388/389/487/488/489: Special Topics in Computer Science Courses (4)**
- ECON 344: Econometrics (4)
- ~~GEOS ESCI 331: Maps: Computer-Aided Mapping and Analysis (4)~~
- ~~NURS 360: Nursing Research and Informatics (4)~~
- **NURS 318: Research Methods (2) with NURS 319: Healthcare Technology (2)**
- POLS 301: Political Science Methods (4)
- PSYC 242: Advanced Statistics and Research Design (4)
- SOCI 232: Research Methods (4)

*****Students may petition for a course not on this list to satisfy the Domain-Specific Elective.**

Courses

Data Science (DATA) - Undergraduate Courses

DATA 133 : Introduction to Data Science I

Introduction to computer programming and problem-solving using real datasets from a variety of domains such as science, business, and the humanities. Introduces the basics of data science concepts through computational thinking, modeling and simulation and data visualization using the Python programming language and R statistical software. Intended for students without prior programming experience. Prerequisite: completion of PLU MATH 140 or an equivalent college-level course with a grade of C or better; or PLU mathematics placement into PLU MATH 151 or a higher numbered PLU mathematics course. (4)

DATA 233 : Introduction to Data Science II

Continuation of DATA 133, topics may include data manipulation, cleaning and visualization techniques, machine learning techniques, natural language processing, databases, text mining, data science ethics/privacy, etc. Students will collaborate with [the](#) help of version control systems like GitHub. Python is the main programming language used. Prerequisite: DATA 133 or CSCI 144. Recommended: One of MATH/STAT 145, STAT 231, 232, 233, or MATH/STAT 242. (4)

DATA 287 : Special Topics in Data Science

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

DATA 499A: Capstone: Culminating Experience I - SR

Preparation for oral and written presentation of information learned in individual research under the supervision of an assigned faculty member, possibly in a small group of two or three students. Discussion of methods for collaborating and communicating results of analysis with client and teammates. Discussion of ethical implications of data-based inferences. With DATA 499B, meets the culminating experience (SR) requirement.

Prerequisites: MATH/STAT 442 or concurrent enrollment; CSCI 330; and senior (or second semester junior) standing, or permission of instructor. (2)

DATA 499B: Capstone: Culminating Experience II - SR

Continuation of DATA 499A with emphasis on oral and written presentation. With DATA 499A, meets the culminating experience (SR) requirement.

Prerequisite: DATA 499A. (2)

MATH 442: Statistical Modeling

Continuation of MATH/STAT 242. Introduction to multiple linear regression models, indicator variables, interactions. Uses R statistical software to explore applications of course topics. Topics may also include extensions to generalized linear models, multilevel models, Bayesian inference, or other statistical modeling techniques. Cross-listed with STAT 442. Prerequisites: MATH 331 and any of MATH/STAT 145, STAT 231, 232, 233, or MATH/STAT 242. (4)

STAT 442: Statistical Modeling

Continuation of MATH/STAT 242. Introduction to multiple linear regression models, indicator variables, interactions. Uses R statistical software to explore applications of course topics. Topics may also include extensions to generalized linear models, multilevel models, Bayesian inference, or other statistical modeling techniques. Cross-listed with MATH 442. Prerequisites: MATH 331 and any of MATH/STAT 145, STAT 231, 232, 233, or MATH/STAT 242. (4)

GENDER, SEXUALITY, & RACE STUDIES

Summer 2024

Type 1 – add GenEd element to existing course

NOTE: The Core Curriculum Committee grants a one-time approval of the GenEd designation of ES for GSRS 287 “Reproductive Justice” for the summer 2024 term.

GSRS 287 : Special Topics in Gender, Sexuality, and Race Studies

To provide undergraduate students with new, one-time, and developing courses not yet available in the regular curriculum. The title will be listed on the student term-based record as ST: followed by the specific title designated by the academic unit. (1 to 4)

STUDY AWAY

J-term 2025

Type 1 – add GenEd element to existing course

NOTE: The Core Curriculum Committee grants a one-time approval of the GenEd designation of “ES” for ENGL/SOCI 387 “Memory and Social Identity in Northern Ireland” for the January 2025 term.

No permanent change to catalog language. This is a one-time change to a special topics course that will only apply to ENGL 387 and SOCI 387, study away courses in Northern Ireland, in January 2025.

ENGL 387 : Topics in Rhetoric, Writing and Culture

Provides writers with a grounding in Rhetoric, the art of shaping discourse to respond to cultural context and to produce cultural and social effects. Strategies for generating discourse, appealing to audiences, and crafting a style will be studied in light of their historical origins, theoretical assumptions, social and ethical implications, and practical utility. Recommended for writing majors. (4)

SOCI 387 : Special Topics in Sociology or Criminal Justice

Selected topics as announced by the department. Prerequisite: departmental consent. (1 to 4)